

**Product Name: ALDH1A1 Rabbit Monoclonal Antibody**  
**Catalog #: AMRe21167**



## Summary

<b>Production Name</b>	ALDH1A1 Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,IF,IP,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG,Kappa
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protective protein
<b>Purification</b>	Protein A

## Immunogen

<b>Gene Name</b>	ALDH1A1
<b>Alternative Names</b>	ALDH1A1;ALDC;ALDH1;PUMB1;Retinal dehydrogenase 1;RALDH 1;RalDH1;ALDH-E1;ALHDII;Aldehyde dehydrogenase family 1 member A1;Aldehyde dehydrogenase, cytosolic
<b>Gene ID</b>	216.0
<b>SwissProt ID</b>	P00352.

## Application

<b>Dilution Ratio</b>	IHC 1:500-1:2000;WB 1:2000-1:10000;IF 1:200-1:1000;ELISA 1:5000-1:20000;IP 1:50-1:200;
<b>Molecular Weight</b>	Calculated MW:55kD;Observed MW:55kD

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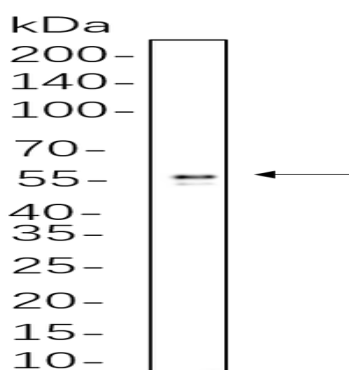


## Background

Cell localization: Cytoplasm, cytosol. Cell projection, axon. The protein encoded by this gene belongs to the aldehyde dehydrogenase family. Aldehyde dehydrogenase is the next enzyme after alcohol dehydrogenase in the major pathway of alcohol metabolism. There are two major aldehyde dehydrogenase isozymes in the liver, cytosolic and mitochondrial, which are encoded by distinct genes, and can be distinguished by their electrophoretic mobility, kinetic properties, and subcellular localization. This gene encodes the cytosolic isozyme. Studies in mice show that through its role in retinol metabolism, this gene may also be involved in the regulation of the metabolic responses to high-fat diet. [provided by RefSeq, Mar 2011],

## Research Area

## Image Data



HepG2 whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with primary antibody(1:1000).  
The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.

## Note

For research use only.